



**PRODUCT CODE: 131032**

**ortho-Phosphoric Acid 85% (Reag. USP) for analysis, ACS, ISO**

$H_3O_4P$

$H_3PO_4$

M.= 98,00

CAS [7664-38-2]

EINECS 231-633-2

TARIC 2809 20 00 00

**PHYSICAL DATA:** liquid, Clear, Colourless, Miscible with water • Hygroscopic • D 20/4 1,71 • M.P.: 21 °C • B.P.: 158 °C • pH(100g/l)0,5 • Vap. press. (25 °C) 2,2 hPa •

**BIBLIOGRAPHY:** Merck Index **13**, 7.430 14, 7.344 Sax **PHB250** • Safety **2**, **2822 B** • Römp **8**, **3168** • Kühn-Birett **P 23** • Fieser **1860 45387 7255 10317 15266** • ACS **XI** • ISO 6353/2-1983 R - 22 , 30 • BP.**2021** • USP **-NF 38** • Ph. Eur. **9.0** (2017) **10.0** (2020) • F.C.C **12 13** • Directive 2002/82/EC •

**HAZARDOUS:** C.E: 015-011-00-6 • RTECS: TB 6300000 • LD50 oral rat 1.530 mg/kg • LD50 skn rbt 2.740 mg/kg • VLA-EC 2 mg/m3 VLA-ED 1 mg/m3



H: H314 • H290 •

P: P260 • P264 • P280 • P301+P330+P331 • P303+P361+P353 • P501 • P304+P340 • P305+P351+P338 • P310 • P321 • P338 • P363 • P405 •

**TRANSPORT REGULATIONS:** UN: 1805 • ADR: 8/III • IMDG: 8/III • IATA: 8/III • PAX: 852 • CAO: 856 • (E) •

**WEIGHT/VOLUME INFORMATION:** 1l~1,70 kg 1kg~0,59 l

#### SPECIFICATIONS:

Minimum assay (Acidim.) 85,0%

#### Maximum limit of impurities

APHA colour 10

AcidityVolatile (as CH<sub>3</sub>COOH) 0,001%

Insoluble matter in H2O	0,001 %
Reducing substance to KMnO4 (as O)	0,001 %
Chloride (Cl)	0,0002 %
Sulfate (SO4)	0,003%
Silicate SiO2	0,025%
Nitrate (NO3)	0,0005%
As	0,0001 %
Heavy metals (as Pb)	0,001%

**Metals by ICP [in mg/Kg (ppm)]**

Ag	1
Al	5
Au	1
B	1
Ba	5
Be	1
Bi	1
Ca	10
Cd	1
Co	1
Cr	5
Cu	1
Fe	10
Ga	1
Ge	1
Hg	1
In	5
K	5
Li	5
Mg	10
Mn	0,5
Mo	1
Na	250
Ni	1
Pb	1
Pt	5
Sb	2
Sn	1
Sr	1
Ti	1
Tl	1
V	1
Zn	2
Zr	1